Libera System

Design Artec Studio **iGuzzini**

Last information update: June 2025

Product configuration: PE46
PE46: Strip UpLight Warm White - UGR<19 - for module L=1140

Product code
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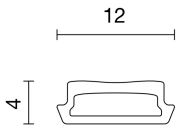
Technical description
Strip UpLight for module L=1140. Monochrome Warm White CRI90 LED lamp with UGR<19. Complete with quick coupling connectors.

Colour	Weight (Kg)
White (01)	0.03

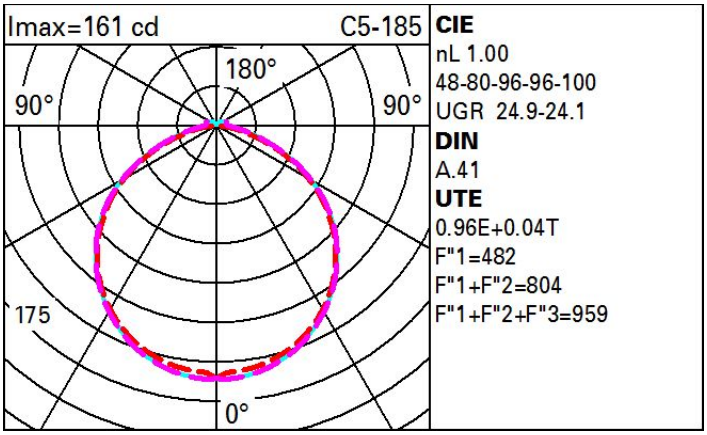
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	470	MacAdam Step:	3
W system:	3.8	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	-	Voltage [Vin]:	48
W source:	-	Lamp code:	LED
Luminous efficiency (lm/W, real value):	123.7	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	18	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	100	LED current [mA]:	20
CRI (minimum):	90	Control:	PWM
Colour temperature [K]:	2700		

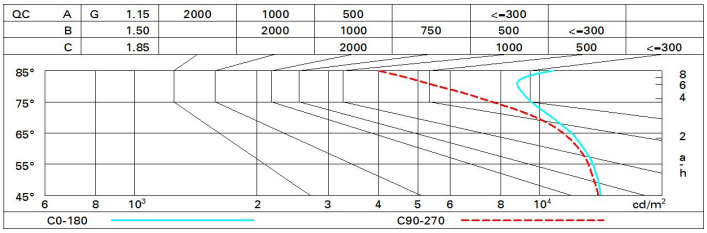
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	55	47	42	53	46	45	38	40
1.0	72	62	55	49	60	54	53	45	47
1.5	82	74	68	63	72	66	65	58	60
2.0	88	82	76	72	79	74	73	66	69
2.5	92	86	82	78	84	80	78	72	75
3.0	94	90	86	82	87	83	81	75	79
4.0	97	94	90	87	91	88	86	80	83
5.0	99	96	93	91	93	91	88	83	86

Luminance curve limit



UGR diagram

Corrected UGR values (at 470 lm bare lamp luminous flux)

Riflect.: ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim				viewed crosswise					viewed endwise		
x	y										
2H	2H	21.5	22.6	21.9	22.9	23.3	21.4	22.5	21.8	22.9	23.2
	3H	22.9	23.9	23.3	24.2	24.6	21.9	22.9	22.3	23.2	23.6
	4H	23.4	24.3	23.8	24.7	25.1	22.0	23.0	22.5	23.4	23.8
	6H	23.7	24.6	24.2	25.0	25.4	22.1	22.9	22.5	23.3	23.8
	8H	23.9	24.7	24.3	25.1	25.6	22.1	22.9	22.5	23.3	23.8
	12H	24.0	24.8	24.5	25.2	25.7	22.1	22.8	22.5	23.3	23.7
4H	2H	22.1	23.0	22.5	23.4	23.8	23.0	24.0	23.5	24.3	24.8
	3H	23.6	24.4	24.1	24.8	25.3	23.6	24.4	24.1	24.8	25.3
	4H	24.2	24.9	24.7	25.4	25.8	23.9	24.6	24.4	25.0	25.5
	6H	24.7	25.3	25.2	25.8	26.3	24.0	24.7	24.5	25.1	25.6
	8H	24.9	25.5	25.4	26.0	26.5	24.1	24.7	24.6	25.1	25.7
	12H	25.1	25.6	25.6	26.1	26.7	24.1	24.6	24.6	25.1	25.7
8H	4H	24.4	25.0	24.9	25.5	26.0	24.2	24.8	24.7	25.3	25.8
	6H	25.0	25.5	25.6	26.0	26.6	24.5	25.0	25.0	25.5	26.0
	8H	25.3	25.7	25.9	26.3	26.9	24.6	25.0	25.2	25.6	26.1
	12H	25.6	26.0	26.2	26.6	27.2	24.7	25.1	25.3	25.6	26.2
12H	4H	24.4	24.9	24.9	25.4	26.0	24.2	24.7	24.8	25.2	25.8
	6H	25.1	25.5	25.6	26.0	26.6	24.5	24.9	25.1	25.5	26.1
	8H	25.4	25.7	26.0	26.3	26.9	24.7	25.0	25.3	25.6	26.2

Variations with the observer position at spacing:

S =			
	1.0H	0.1 / -0.1	0.1 / -0.1
	1.5H	0.3 / -0.4	0.3 / -0.5
	2.0H	0.5 / -0.7	0.6 / -0.8